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(71)Applicant : **ISUZU MOTORS LTD**

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(72)Inventor : **MINAMI TOSHITAKA**

(54) EXHAUST EMISSION CONTROL DEVICE OF DIESEL ENGINE

(57)Abstract:

PROBLEM TO BE SOLVED: To certainly and continuously combust PM collected in a DPF in a large operating range of an engine.

SOLUTION: This exhaust emission control device of a diesel engine comprises a turbo charger having an exhaust turbine disposed in an exhaust passage and an intake compressor disposed in an intake passage, a first EGR passage for communicating the exhaust passage on the upstream side from the exhaust turbine with the intake passage on the downstream side from the intake compressor, a first EGR valve disposed in the first EGR passage, and an oxidation catalyst and a particulate filter that are disposed in the exhaust passage on the downstream side from the exhaust turbine. When an exhaust temperature range of the engine lies higher than an active temperature range of the oxidation catalyst, the exhaust emission control device performs the control for throttling the first EGR valve. When the exhaust temperature range of the engine lies lower than the active temperature range of the oxidation catalyst, the exhaust emission control device performs the control for throttling either or both of an intake shutter and an exhaust shutter.

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